

WHAT IS CLAIMED IS:

1. A method of accessing from a client station a target object at a remote station via a telecommunications network, said method comprising steps of:
 - 5 a) generating a client object forming a representation of said target object, which client object is configured to identify methods of said target object which are accessible remotely and to implement said remotely accessible methods;
 - b) registering said target object and a network adaptor for a network protocol with a framework at said remote station;
 - 10 c) associating said client object with a network adaptor for said network protocol at said client machine; and
 - d) enabling a client application to access said target object by instantiating said client object.
- 15 2. The method of Claim 1, wherein step (a) comprises compiling a target object and generating a client object comprising a target object interface identifying which methods of said target object are accessible remotely and a target object stub implementing said remotely accessible methods.
- 20 3. The method of Claim 2, wherein step (d) comprises selectively replacing said target object stub for dynamically modifying the behaviour of said client application at runtime.
4. The method of Claim 1, wherein said client object and said target object are
25 beans, each of which comprises a set of properties, a set of methods for performing actions, and support for events and for introspection.
5. The method of Claim 4, wherein step (a) comprises extracting target object
30 methods by introspection.
6. The method of Claim 1, wherein said target object is a managed object and said

client application is a network management application.

7. A remote access support mechanism at a client station for accessing a target object at a remote station via a telecommunications network, said remote access support
5 mechanism comprising:

a client object forming a representation of said target object, which client object identifies methods of said target object which are accessible remotely and implements said remotely accessible methods; and

a network adaptor responsive to said client object,

10 wherein said client object is configured to be instantiated by a client application for enabling said client application to access and modify said target object.

8. The remote access support mechanism of Claim 7, wherein said client object is compiled from a target object and comprises a target object interface identifying which
15 methods of said target object are accessible remotely and a target object stub implementing said remotely accessible methods.

9. The remote access support mechanism of Claim 8, wherein said target object stub is selectably replaceable for dynamically modifying the behaviour of said client
20 application at runtime.

10. The remote access support mechanism of Claim 9, wherein said client object is an object which comprises a set of properties, a set of methods for performing actions, and support for events and for introspection.
25

11. The remote access support mechanism of Claim 10, wherein said client object and said target objects are each beans which comprises a set of properties, a set of methods for performing actions, and support for events and for introspection.

30 12. The remote access support mechanism of Claim 11, comprising a compiler for extracting said target object methods by introspection for generating said client object.

SUN REF: P2651

13. The remote access support mechanism of Claim 11, wherein said target object is a managed object and said client application is a network management application.

14. The remote access support mechanism of Claim 13, comprising a software
5 mechanism.

15. A remote access support mechanism at a first machine permitting remote access from a client machine to a target object at said first machine via a telecommunications network, said remote access support mechanism comprising:

10 at least one target object;

at least one network adaptor supporting a network protocol:

said at least one target object and said at least one network adaptor being registerable with a framework at said first machine and said network adaptor being responsive to remote access requests from said client machine in accordance with said
15 protocol to access said target object via said framework.

16. The remote access support mechanism of Claim 15, comprising a software mechanism.

20 17. A remote access support mechanism on a data carrier for a computer for permitting remote access from a client machine to a target object at said first machine via a telecommunications network, said remote access support mechanism comprising:

at least one target object;

at least one network adaptor supporting a network protocol:

25 said at least one target object and said at least one network adaptor being registerable with a framework at said first machine and said network adaptor being responsive to remote access requests from said client machine in accordance with said protocol to access said target object via said framework.